

ABSTRACT OF THE DISCLOSURE

A semi-transmission type liquid crystal display device has a liquid crystal layer between lower and upper substrates, each having a reflection electrode and a lower orientation film. The upper substrate has a color filter and an upper orientation film. Upper and lower phase films are positioned on the upper and lower substrates, respectively, to transform polarized light from linear to circular. Upper and lower polarization plates are provided on the upper and lower phase films, respectively. The liquid crystal layer phase delay $d\Delta n$ is $0.24\text{-}0.27\ \mu\text{m}$. The upper phase film has a function of $\lambda/4$ phase compensation and an optical axis of 140° to 146° . The upper orientation film has an orientation angle of 40° - 50° , and the lower orientation film has an orientation angle of -10° to -20° relative to a horizontal line. The upper polarization plate has a transmission axis angle of 104° - 122.5° .